SUBJECT INDEX

Abatement and removal

Design and Management of Subsurface Horizontal Drainage to Reduce Salt Loads, Evan Christen and Dominic Skehan, IR May/June 01, p148-155.

Africa

Case Study of Water Table Evaporation at Ichkeul Marshes (Tunisia), Mounira Zammouri, IR Sept./Oct. 01, p265-271.

Agriculture

Drainage along the River Nile edited by H. J. Nijland, Lyman S. Willardson, IR May/June 01, p193.

Drainage Reduction under Land Retirement over a Shallow Water Table, David R. Purkey and Wesley W. Wallender, IR Jan./Feb. 01, p1-7.

Infiltration into Freezing and Thawing Soils under Differing Field Treatments, Zheng Xiuqing and G. N. Flerchinger, IR May/June 01, p176-182.

Air temperature

Comparison of Vapor-Pressure-Deficit Calculation Methods—Southern High Plains, Terry A. Howell and Donald A. Dusek, IR Mar./Apr. 95, p191-198.

Alfalfa

Reduced-Runoff Irrigation of Alfalfa in Imperial Valley, California, K. M. Bali, M. E. Grismer and I. C. Tod, IR May/June 01, p123-130.

Regional Alfalfa Yield, ET_r, and Water Value in Western States, M. E. Grismer, IR May/June 01, p131-139.

Algorithms

New Algorithm for Hydraulic Calculation in Irrigation Laterals, Pedro Vallesquino and Pedro L. Luque-Escamilla, IR July/Aug. 01, p254-260.

Alluvium

Managing Nitrate Problems for Domestic Wells in Irrigated Alluvial Aquifers, C. Ray, P.E., IR Jan./Feb. 01, p49-53.

Analytical techniques

Analytical Solution for Normal Irrigation Distribution Parameters, J. K. Smesrud and J. S. Selker, IR Jan./Feb. 01, p45-48.

Aquifers

Calculation of Inflow and Outflow in Phreatic Aquifers, A. R. Kacimov, IR Jan./Feb. 01, p16-19.

Falling Water Tables in Horizontal/Sloping Aquifer, A. Upadhyaya and H. S. Chauhan, IR Nov./Dec. 01, p378-384.

Interaction of Stream and Sloping Aquifer Receiving Constant Recharge, A. Upadhyaya and H. S. Chauhan, IR Sept./Oct. 01, p295-301.

Managing Nitrate Problems for Domestic Wells in Irrigated Alluvial Aquifers, C. Ray, P.E., IR Jan./Feb. 01, p49-53.

Arid lands

Revising the Cutthroat Flume Settlement Rating Adjustment Procedure, Steven R. Abt and Eric M. Skowron, IR Jan./Feb. 01, p54-58.

ASCE Committees

Awards, J. C. Guitjens, P.E., IR July/Aug. 01, p195.

Assessments

Assessing Sensitivity Factors of Irrigation Delivery Structures, D. Renault, A. Hakeem Khan, M. H. Hemakumara and M. Asghar Memon, IR Nov./Dec. 01, p346-354.

Automation

Flap Gate Design for Automatic Upstream Canal Water Level Control, Charles M. Burt, Russdon Angold, Mike Lehmkuhl and Stuart Styles, IR Mar./Apr. 01, p84-91.

Awards

Awards, J. C. Guitjens, P.E., IR July/Aug. 01, p195.

Basins

Finite Volume Model for Nonlevel Basin Irrigation, Scott F. Bradford and Nikolaos D. Katopodes, IR July/Aug. 01, p216-223.

Storage Volume and Overflow Risk for Infiltration Basin Design, James C. Y. Guo and William Hughes, IR May/June 01, p170-175.

Bed load movement

Sediment Pickup on Streamwise Sloping Beds, Subhasish Dey and Koustuv Debnath, IR Jan./Feb. 01, p39-43.

Benefit cost ratios

Selection of Sprinkler Lateral for Shorter Life Cycle, Pooran S. Mahar and Rajesh P. Singh, IR Sept./Oct. 01, p277-280.

Bentonite

Bentonite as an Ameliorant in an Alfisol—A Laboratory Study, P. K. Mishra, S. Siva Prasad, B. Maheswara Babu and L. R. Varalakshmi, IR Mar./Apr. 01, p118-122.

Boundary conditions

Functional Relationship to Describe Drains with Entrance Resistance, Andreas Kohler, Karim C. Abbaspour, Martin Fritsch and Rainer Schulin, IR Nov./Dec. 01, p355-362.

Boundary values

Calculation of Inflow and Outflow in Phreatic Aquifers, A. R. Kacimov, IR Jan./Feb. 01, p16-19.

Boussinesq equations

Drainage of Sloping Lands with Variable Recharge: Analytical Formulas and Model Development, T. Hartani, D. Zimmer and B. Lesaffre, IR Jan./Feb. 01, p8-15.

Falling Water Tables in Horizontal/Sloping Aquifer, A. Upadhyaya and H. S. Chauhan, IR Nov./Dec. 01, p378-384.

Interaction of Stream and Sloping Aquifer Receiving Constant Recharge, A. Upadhyaya and H. S. Chauhan, IR Sept./Oct. 01, p295-301.

Transient Drainage to Partially Penetrating Drains in Sloping Aquifers, K. N. Shukla, H. S. Chauhan and V. K. Srivastava, IR Sept./Oct. 99, p246-253.

Bulk density

Bentonite as an Ameliorant in an Alfisol—A Laboratory Study, P. K. Mishra, S. Siva Prasad, B. Maheswara Babu and L. R. Varalakshmi, IR Mar./Apr. 01, p118-122.

Calibration

Hydraulic Modeling of Kangsabati Main Canal for Performance Assessment, A. Mishra, A. Anand, R. Singh and N. S. Raghuwanshi, IR Jan./Feb. 01, p27-34.

California

Habitat Restoration and Agricultural Production under Land Retirement, David R. Purkey and Wesley W. Wallender, IR July/Aug. 01, p240-245.

Reduced-Runoff Irrigation of Alfalfa in Imperial Valley, California, K. M. Bali, M. E. Grismer and I. C. Tod, IR May/June 01, p123-130.

Reduced-Runoff Irrigation of Sudan Grass Hay, Imperial Valley, California, M.E. Grismer and K. M. Bali, IR Sept./Oct. 01, p319-323.

Canal design

Design of Minimum Seepage Loss Canal Sections, Prabhata K. Swamee, Govinda C. Mishra and Bhagu R. Chahar, IR Jan./Feb. 00, p28-32.

Design of Minimum Seepage-Loss Nonpolygonal Canal Sections, Prabhata K. Swamee and Deepak Kashyap, IR Mar./Apr. 01, p113-117.

Flap Gate Design for Automatic Upstream Canal Water Level Control, Charles M. Burt, Russdon Angold, Mike Lehmkuhl and Stuart Styles, IR Mar./Apr. 01, p84-91.

Hydraulic Modeling of Kangsabati Main Canal for Performance Assessment, A. Mishra, A. Anand, R. Singh and N. S. Raghuwanshi, IR Jan./Feb. 01, p27-34.

Canal linings

Determining Irrigation Canal Seepage with Electrical Resistivity, R. H. Hotchkiss, P.E., C. B. Wingert and W. E. Kelly, P.E., IR Jan./Feb. 01, p20-26.

Canals

Design of Minimum Seepage Loss Canal Sections with Drainage Layer at Shallow Depth, Prabhata K. Swamee, Govinda C. Mishra and Bhagu R. Chahar, IR Sept./Oct. 01, p287-294.

Dimensionless Curves for Normal–Depth Calculations in Canal Sections, K. Babaeyan–Koopaei, IR Nov./Dec. 01, p386-389.

Canopies

Sprinkler and Corn Canopy Effects on Water Application Characteristics, D. W. DeBoer, K. A. Stange and D. L. Beck, IR Sept./Oct. 01, p272-276.

Case reports

Case Study of Water Table Evaporation at Ichkeul Marshes (Tunisia), Mounira Zammouri, IR Sept./Oct. 01, p265-271.

Channel beds

Bank Profile of Threshold Channels: A Simplified Approach, Subhasish Dey, IR May/June 01, p184-187.

Channel flow

EDR in Circular Channels, Subhasish Dey, IR Mar./Apr. 01, p110-112.

Channels, waterways

Bank Profile of Threshold Channels: A Simplified Approach, Subhasish Dey, IR May/June 01, p184-187.

Deflecting Velocity Rod for Flow Measurements in Small Channels, Ata-ur-Rehman Tariq and Muhammad Masood, IR Sept./Oct. 01, p311-317.

China

Infiltration into Freezing and Thawing Soils under Differing Field Treatments, Zheng Xiuqing and G. N. Flerchinger, IR May/June 01, p176-182.

Circular channels

EDR in Circular Channels, Subhasish Dey, IR Mar./Apr. 01, p110-112.

Clay liners

Determining Irrigation Canal Seepage with Electrical Resistivity, R. H. Hotchkiss, P.E., C. B. Wingert and W. E. Kelly, P.E., IR Jan./Feb. 01, p20-26.

Clay soils

Reduced-Runoff Irrigation of Alfalfa in Imperial Valley, California, K. M. Bali, M. E. Grismer and I. C. Tod, IR May/June 01, p123-130.

Cohesionless sediment

Bank Profile of Threshold Channels: A Simplified Approach, Subhasish Dey, IR May/June 01, p184-187.

Comparative studies

Comparison of Fixed and Rotating Spray Plate Sprinklers, J. M. Faci, R. Salvador, E. Playán and H. Sourell, IR July/Aug. 01, p224-233.

Comparison of Models for Computing Drainage Discharge, Alaa El-Sadek, Jan Feyen and Jean Berlamont, IR Nov./Dec. 01, p363-369.

Computation

Comparison of Models for Computing Drainage Discharge, Alaa El-Sadek, Jan Feyen and Jean Berlamont, IR Nov./Dec. 01, p363-369.

Comparison of Vapor-Pressure-Deficit Calculation Methods—Southern High Plains, Terry A. Howell and Donald A. Dusek, IR Mar./Apr. 95, p191-198.

Design of Minimum Seepage-Loss Nonpolygonal Canal Sections, Prabhata K. Swamee and Deepak Kashyap, IR Mar./Apr. 01, p113-117.

Dimensionless Curves for Normal–Depth Calculations in Canal Sections, K. Babaeyan–Koopaei, IR Nov./Dec. 01, p386-389.

New Algorithm for Hydraulic Calculation in Irrigation Laterals, Pedro Vallesquino and Pedro L. Luque-Escamilla, IR July/Aug. 01, p254-260.

Optimal Furrow Design. I: Time of Advance Equation, John D. Valiantzas, IR July/Aug. 01, p201-208.

Optimal Furrow Design. II: Explicit Calculation of Design Variables, John D. Valiantzas, IR July/Aug. 01, p209-215.

Cost analysis

Selection of Sprinkler Lateral for Shorter Life Cycle, Pooran S. Mahar and Rajesh P. Singh, IR Sept./Oct. 01, p277-280.

Cost control

Optimal Spacing of Shallow Tube Wells in Relation to Conveyance Losses, N. K. Garg and E. Venkateshwarlu, IR Nov./Dec. 01, p390-393.

Costs

Optimal Furrow Design. II: Explicit Calculation of Design Variables, John D. Valiantzas, IR July/Aug. 01, p209-215.

Crop production

Long–Term Effects of Irrigation Water Conservation on Crop Production and Environment in Semiarid Areas, Asad Sarwar and W. G. M. Bastiaanssen, IR Nov./Dec. 01, p331-338.

Crop yield
Regional Alfalfa Yield, ET_r, and Water Value in Western States, M. E. Grismer, IR May/June 01, p131-139.

Crops
Model for Estimating Evaporation and Transpiration from Row Crops, Francesca Ventura, Ben A. Faber, Khaled M. Bali, Richard L. Snyder, Donatella Spano, Pierpaolo Duce and Kurt F. Schulbach, IR Nov./Dec. 01, p339-345.

Cross sections
Bank Profile of Threshold Channels: A Simplified Approach, Subhasish Dey, IR May/June 01, p184-187.

Curvature
Dimensionless Curves for Normal–Depth Calculations in Canal Sections, K. Babaeyan–Koopaei, IR Nov./Dec. 01, p386-389.

Deflection
Deflecting Velocity Rod for Flow Measurements in Small Channels, Ata-ur-Rehman Tariq and Muhammad Masood, IR Sept./Oct. 01, p311-317.

Depth
Dimensionless Curves for Normal–Depth Calculations in Canal Sections, K. Babaeyan–Koopaei, IR Nov./Dec. 01, p386-389.

Design
Design and Management of Subsurface Horizontal Drainage to Reduce Salt Loads, Evan Christen and Dominic Skehan, IR May/June 01, p148-155.

Design of Minimum Seepage Loss Canal Sections with Drainage Layer at Shallow Depth, Prabhata K. Swamee, Govinda C. Mishra and Bhagu R. Chahar, IR Sept./Oct. 01, p287-294.

Storage Volume and Overflow Risk for Infiltration Basin Design, James C. Y. Guo and William Hughes, IR May/June 01, p170-175.

Desorption
Modeling Soluble Phosphorus Desorption Kinetics in Tile Drainage, Christopher A. Scott and Kirk W. Weiler, IR Mar./Apr. 01, p70-76.

Differential equations
Calculation of Inflow and Outflow in Phreatic Aquifers, A. R. Kacimov, IR Jan./Feb. 01, p16-19.

Dimensional analysis
Simultaneous Flow over and Under a Gate, Vito Ferro, IR May/June 00, p190-193.

Discharge
Simultaneous Flow over and Under a Gate, Vito Ferro, IR May/June 00, p190-193.

Discharge coefficients
Numerical Analysis for Lateral Weir Flow, Yilmaz Muslu, IR July/Aug. 01, p246-253.

Discharge measurement
Revising the Cutthroat Flume Settlement Rating Adjustment Procedure, Steven R. Abt and Eric M. Skowron, IR Jan./Feb. 01, p54-58.

Distribution patterns
Analytical Solution for Normal Irrigation Distribution Parameters, J. K. Smesrud and J. S. Selker, IR Jan./Feb. 01, p45-48.

Diversion structures
Sediment Diversion through Irrigation Outlets, Gilles Belaud and André Paquier, IR Jan./Feb. 01, p35-38.

Drain tiles
Modeling Soluble Phosphorus Desorption Kinetics in Tile Drainage, Christopher A. Scott and Kirk W. Weiler, IR Mar./Apr. 01, p70-76.

Drainage
Comparison of Models for Computing Drainage Discharge, Alaa El-Sadek, Jan Feyen and Jean Berlamont, IR Nov./Dec. 01, p363-369.

Drainage along the River Nile edited by H. J. Nijland, Lyman S. Willardson, IR May/June 01, p193.

Falling Water Tables in Horizontal/Sloping Aquifer, A. Upadhyaya and H. S. Chauhan, IR Nov./Dec. 01, p378-384.

Habitat Restoration and Agricultural Production under Land Retirement, David R. Purkey and Wesley W. Wallender, IR July/Aug. 01, p240-245.

Transient Drainage to Partially Penetrating Drains in Sloping Aquifers, K. N. Shukla, H. S. Chauhan and V. K. Srivastava, IR Sept./Oct. 99, p246-253.

Drainage systems
Drainage of Sloping Lands with Variable Recharge: Analytical Formulas and Model Development, T. Hartani, D. Zimmer and B. Lesaffre, IR Jan./Feb. 01, p8-15.

Ecosystems
Habitat Restoration and Agricultural Production under Land Retirement, David R. Purkey and Wesley W. Wallender, IR July/Aug. 01, p240-245.

Efficiency
Regional Alfalfa Yield, ET_r, and Water Value in Western States, M. E. Grismer, IR May/June 01, p131-139.

Egypt
Drainage along the River Nile edited by H. J. Nijland, Lyman S. Willardson, IR May/June 01, p193.

Electrical resistivity
Determining Irrigation Canal Seepage with Electrical Resistivity, R. H. Hotchkiss, P.E., C. B. Wingert and W. E. Kelly, P.E., IR Jan./Feb. 01, p20-26.

Entrainment
Parameter Identifiability for Three Sediment Entrainment Equations, Vicky L. Freedman, Vicente L. Lopes and Mariano Hernandez, IR Mar./Apr. 01, p92-99.

Equations of state
Multidimensional Infiltration with Arbitrary Surface Fluxes, Jiann–Mou Chen, Yih–Chi Tan and Chu–Hui Chen, IR Nov./Dec. 01, p370-377.

Erosion
Parameter Identifiability for Three Sediment Entrainment Equations, Vicky L. Freedman, Vicente L. Lopes and Mariano Hernandez, IR Mar./Apr. 01, p92-99.

Estimation
Evaporation Estimation for Lake Okeechobee in South Florida, Wossenu Abtew, P.E., IR May/June 01, p140-147.

Europe
Simulation of Water and Nitrogen Balances of Irrigated and Fertilized Corn-Crop Soil, Vassilis Z. Antonopoulos, IR Mar./Apr. 01, p77-83.

Evaporation
Case Study of Water Table Evaporation at Ichkeul Marshes (Tunisia), Mounira Zammouri, IR Sept./Oct. 01, p265-271.

Evaporation Estimation for Lake Okeechobee in South Florida, Wossenu Abtew, P.E., IR May/June 01, p140-147.

Model for Estimating Evaporation and Transpiration from Row Crops, Francesca Ventura, Ben A. Faber, Khaled M. Bali, Richard L. Snyder, Donatella Spano, Pierpaolo Duce and Kurt F. Schulbach, IR Nov./Dec. 01, p339-345.

Modeled Areal Evaporation Trends over the Conterminous United States, Jozsef Szilagyi, IR July/Aug. 01, p196-200.

Evapotranspiration
Comparison of Vapor-Pressure-Deficit Calculation Methods—Southern High Plains, Terry A. Howell and Donald A. Dusek, IR Mar./Apr. 95, p191-198.

Evaporation Estimation for Lake Okeechobee in South Florida, Wossenu Abtew, P.E., IR May/June 01, p140-147.

Model for Estimating Evaporation and Transpiration from Row Crops, Francesca Ventura, Ben A. Faber, Khaled M. Bali, Richard L. Snyder, Donatella Spano, Pierpaolo Duce and Kurt F. Schulbach, IR Nov./Dec. 01, p339-345.

Reduced-Runoff Irrigation of Alfalfa in Imperial Valley, California, K. M. Bali, M. E. Grismer and I. C. Tod, IR May/June 01, p123-130.

Regional Alfalfa Yield, ET_r, and Water Value in Western States, M. E. Grismer, IR May/June 01, p131-139.

Fertilization
Simulation of Water and Nitrogen Balances of Irrigated and Fertilized Corn-Crop Soil, Vassilis Z. Antonopoulos, IR Mar./Apr. 01, p77-83.

Finite element method
Drainage Reduction under Land Retirement over a Shallow Water Table, David R. Purkey and Wesley W. Wallender, IR Jan./Feb. 01, p1-7.

Interaction of Stream and Sloping Aquifer Receiving Constant Recharge, A. Upadhyaya and H. S. Chauhan, IR Sept./Oct. 01, p295-301.

Flood control
Simultaneous Flow over and Under a Gate, Vito Ferro, IR May/June 00, p190-193.

Florida
Evaporation Estimation for Lake Okeechobee in South Florida, Wossenu Abtew, P.E., IR May/June 01, p140-147.

Flow characteristics
Numerical Analysis for Lateral Weir Flow, Yilmaz Muslu, IR July/Aug. 01, p246-253.

Flow control
Robust Flow Control of Single Input Multiple Outputs Regulated Rivers, Xavier Litrico, IR Sept./Oct. 01, p281-286.

Flow measurement
Deflecting Velocity Rod for Flow Measurements in Small Channels, Ata-ur-Rehman Tariq and Muhammad Masood, IR Sept./Oct. 01, p311-317.

Revising the Cutthroat Flume Settlement Rating Adjustment Procedure, Steven R. Abt and Eric M. Skowron, IR Jan./Feb. 01, p54-58.

Flow rates
Drainage of Sloping Lands with Variable Recharge: Analytical Formulas and Model Development, T. Hartani, D. Zimmer and B. Lesaffre, IR Jan./Feb. 01, p8-15.

Hydraulic Modeling of Kangsabati Main Canal for Performance Assessment, A. Mishra, A. Anand, R. Singh and N. S. Raghuwanshi, IR Jan./Feb. 01, p27-34.

Flow resistance
Functional Relationship to Describe Drains with Entrance Resistance, Andreas Kohler, Karim C. Abbaspour, Martin Fritsch and Rainer Schulin, IR Nov./Dec. 01, p355-362.

Fluid flow
Numerical Analysis for Lateral Weir Flow, Yilmaz Muslu, IR July/Aug. 01, p246-253.

Flumes
Revising the Cutthroat Flume Settlement Rating Adjustment Procedure, Steven R. Abt and Eric M. Skowron, IR Jan./Feb. 01, p54-58.

Fluvial hydraulics
Influence of Stream-Wise Bed Slope on Sediment Threshold under Stream Flow, Subhasish Dey and Koustuv Debnath, IR July/Aug. 00, p255-263.

Sediment Pickup on Streamwise Sloping Beds, Subhasish Dey and Koustuv Debnath, IR Jan./Feb. 01, p39-43.

Freeze-thaw cycle
Infiltration into Freezing and Thawing Soils under Differing Field Treatments, Zheng Xiuqing and G. N. Flerchinger, IR May/June 01, p176-182.

Frozen soils
Infiltration into Freezing and Thawing Soils under Differing Field Treatments, Zheng Xiuqing and G. N. Flerchinger, IR May/June 01, p176-182.

Furrow irrigation
Analysis and Design of Furrow Irrigation Systems, Dawit Zerihun, Charles A. Sanchez and Kathryn L. Farrell-Poe, IR May/June 01, p161-169.

Explicit Volume Balance Model Solution, A. A. Alazba, IR Sept./Oct. 99, p273-279.

Optimal Furrow Design. I: Time of Advance Equation, John D. Valiantzas, IR July/Aug. 01, p201-208.

Optimal Furrow Design. II: Explicit Calculation of Design Variables, John D. Valiantzas, IR July/Aug. 01, p209-215.

Gates
Flap Gate Design for Automatic Upstream Canal Water Level Control, Charles M. Burt, Russdon Angold, Mike Lehmkuhl and Stuart Styles, IR Mar./Apr. 01, p84-91.

Simultaneous Flow over and Under a Gate, Vito Ferro, IR May/June 00, p190-193.

Global warming
Modeled Areal Evaporation Trends over the Conterminous United States, Jozsef Szilagyi, IR July/Aug. 01, p196-200.

Grains, crops
Sprinkler and Corn Canopy Effects on Water Application Characteristics, D. W. DeBoer, K. A. Stange and D. L. Beck, IR Sept./Oct. 01, p272-276.

Granular materials
Influence of Stream-Wise Bed Slope on Sediment Threshold under Stream Flow, Subhasish Dey and Koustuv Debnath, IR July/Aug. 00, p255-263.

Grasses
Reduced-Runoff Irrigation of Sudan Grass Hay, Imperial Valley, California, M.E. Grismer and K. M. Bali, IR Sept./Oct. 01, p319-323.

Ground water
Case Study of Water Table Evaporation at Ichkeul Marshes (Tunisia), Mounira Zammouri, IR Sept./Oct. 01, p265-271.

Ground-water recharge
Interaction of Stream and Sloping Aquifer Receiving Constant Recharge, A. Upadhyaya and H. S. Chauhan, IR Sept./Oct. 01, p295-301.

Humidity
Comparison of Vapor-Pressure-Deficit Calculation Methods—Southern High Plains, Terry A. Howell and Donald A. Dusek, IR Mar./Apr. 95, p191-198.

Hydraulic conductivity
Bentonite as an Ameliorant in an Alfisol—A Laboratory Study, P. K. Mishra, S. Siva Prasad, B. Maheswara Babu and L. R. Varalakshmi, IR Mar./Apr. 01, p118-122.

Case Study of Water Table Evaporation at Ichkeul Marshes (Tunisia), Mounira Zammouri, IR Sept./Oct. 01, p265-271.

Multidimensional Infiltration with Arbitrary Surface Fluxes, Jiann–Mou Chen, Yih–Chi Tan and Chu–Hui Chen, IR Nov./Dec. 01, p370-377.

Hydraulic models
Hydraulic Modeling of Kangsabati Main Canal for Performance Assessment, A. Mishra, A. Anand, R. Singh and N. S. Raghuwanshi, IR Jan./Feb. 01, p27-34.

Hydraulic structures
Assessing Sensitivity Factors of Irrigation Delivery Structures, D. Renault, A. Hakeem Khan, M. H. Hemakumara and M. Asghar Memon, IR Nov./Dec. 01, p346-354.

Design of Minimum Seepage Loss Canal Sections, Prabhata K. Swamee, Govinda C. Mishra and Bhagu R. Chahar, IR Jan./Feb. 00, p28-32.

Design of Minimum Seepage-Loss Nonpolygonal Canal Sections, Prabhata K. Swamee and Deepak Kashyap, IR Mar./Apr. 01, p113-117.

Hydrologic models
Finite Volume Model for Nonlevel Basin Irrigation, Scott F. Bradford and Nikolaos D. Katopodes, IR July/Aug. 01, p216-223.

India
Optimal Spacing of Shallow Tube Wells in Relation to Conveyance Losses, N. K. Garg and E. Venkateshwarlu, IR Nov./Dec. 01, p390-393.

Infiltration
Multidimensional Infiltration with Arbitrary Surface Fluxes, Jiann–Mou Chen, Yih–Chi Tan and Chu–Hui Chen, IR Nov./Dec. 01, p370-377.

Sprinkler Technologies, Soil Infiltration and Runoff, Darrell W. DeBoer and S. T. Chu, IR July/Aug. 01, p234-239.

Storage Volume and Overflow Risk for Infiltration Basin Design, James C. Y. Guo and William Hughes, IR May/June 01, p170-175.

Inflow
Calculation of Inflow and Outflow in Phreatic Aquifers, A. R. Kacimov, IR Jan./Feb. 01, p16-19.

Inorganic chemicals
Simulation of Water and Nitrogen Balances of Irrigated and Fertilized Corn-Crop Soil, Vassilis Z. Antonopoulos, IR Mar./Apr. 01, p77-83.

Interactions
Interaction of Stream and Sloping Aquifer Receiving Constant Recharge, A. Upadhyaya and H. S. Chauhan, IR Sept./Oct. 01, p295-301.

Irrigation
Drainage along the River Nile edited by H. J. Nijland, Lyman S. Willardson, IR May/June 01, p193.

Finite Volume Model for Nonlevel Basin Irrigation, Scott F. Bradford and Nikolaos D. Katopodes, IR July/Aug. 01, p216-223.

Flap Gate Design for Automatic Upstream Canal Water Level Control, Charles M. Burt, Russdon Angold, Mike Lehmkuhl and Stuart Styles, IR Mar./Apr. 01, p84-91.

Habitat Restoration and Agricultural Production under Land Retirement, David R. Purkey and Wesley W. Wallender, IR July/Aug. 01, p240-245.

Infiltration into Freezing and Thawing Soils under Differing Field Treatments, Zheng Xiuqing and G. N. Flerchinger, IR May/June 01, p176-182.

Modeling Water Distribution for Irrigation Machine with Small Spray Nozzles, Mohammad Omary and Harold Sumner, IR May/June 01, p156-160.

Reduced-Runoff Irrigation of Sudan Grass Hay, Imperial Valley, California, M.E. Grismer and K. M. Bali, IR Sept./Oct. 01, p319-323.

Regional Alfalfa Yield, ET_r, and Water Value in Western States, M. E. Grismer, IR May/June 01, p131-139.

Reservoir Release Policy for Large Irrigation System, G. B. Sahoo, R. Loof, C. L. Abernethy and S. Kazama, IR Sept./Oct. 01, p302-310.

Revising the Cutthroat Flume Settlement Rating Adjustment Procedure, Steven R. Abt and Eric M. Skowron, IR Jan./Feb. 01, p54-58.

Simulation of Water and Nitrogen Balances of Irrigated and Fertilized Corn-Crop Soil, Vassilis Z. Antonopoulos, IR Mar./Apr. 01, p77-83.

Irrigation efficiency
Analysis and Design of Furrow Irrigation Systems, Dawit Zerihun, Charles A. Sanchez and Kathryn L. Farrell-Poe, IR May/June 01, p161-169.

Analytical Solution for Normal Irrigation Distribution Parameters, J. K. Smesrud and J. S. Selker, IR Jan./Feb. 01, p45-48.

Irrigation Scheduling Using Mixed-Integer Linear Programming, Arif A. Anwar and Derek Clarke, IR Mar./Apr. 01, p63-69.

Irrigation engineering
Awards, J. C. Guitjens, P.E., IR July/Aug. 01, p195.

Irrigation practices
Analysis and Design of Furrow Irrigation Systems, Dawit Zerihun, Charles A. Sanchez and Kathryn L. Farrell-Poe, IR May/June 01, p161-169.

Irrigation scheduling
Irrigation Scheduling Using Mixed-Integer Linear Programming, Arif A. Anwar and Derek Clarke, IR Mar./Apr. 01, p63-69.

Long–Term Effects of Irrigation Water Conservation on Crop Production and Environment in Semiarid Areas, Asad Sarwar and W. G. M. Bastiaanssen, IR Nov./Dec. 01, p331-338.

Model for Estimating Evaporation and Transpiration from Row Crops, Francesca Ventura, Ben A. Faber, Khaled M. Bali, Richard L. Snyder, Donatella Spano, Pierpaolo Duce and Kurt F. Schulbach, IR Nov./Dec. 01, p339-345.

Irrigation systems
Analysis and Design of Furrow Irrigation Systems, Dawit Zerihun, Charles A. Sanchez and Kathryn L. Farrell-Poe, IR May/June 01, p161-169.

Analytical Solution for Normal Irrigation Distribution Parameters, J. K. Smesrud and J. S. Selker, IR Jan./Feb. 01, p45-48.

Assessing Sensitivity Factors of Irrigation Delivery Structures, D. Renault, A. Hakeem Khan, M. H. Hemakumara and M. Asghar Memon, IR Nov./Dec. 01, p346-354.

Determining Irrigation Canal Seepage with Electrical Resistivity, R. H. Hotchkiss, P.E., C. B. Wingert and W. E. Kelly, P.E., IR Jan./Feb. 01, p20-26.

Hydraulic Modeling of Kangsabati Main Canal for Performance Assessment, A. Mishra, A. Anand, R. Singh and N. S. Raghuwanshi, IR Jan./Feb. 01, p27-34.

New Algorithm for Hydraulic Calculation in Irrigation Laterals, Pedro Vallesquino and Pedro L. Luque-Escamilla, IR July/Aug. 01, p254-260.

Sediment Diversion through Irrigation Outlets, Gilles Belaud and André Paquier, IR Jan./Feb. 01, p35-38.

Kinetics
Modeling Soluble Phosphorus Desorption Kinetics in Tile Drainage, Christopher A. Scott and Kirk W. Weiler, IR Mar./Apr. 01, p70-76.

Laboratory tests
Bentonite as an Ameliorant in an Alfisol—A Laboratory Study, P. K. Mishra, S. Siva Prasad, B. Maheswara Babu and L. R. Varalakshmi, IR Mar./Apr. 01, p118-122.

Lakes
Evaporation Estimation for Lake Okeechobee in South Florida, Wossenu Abtew, P.E., IR May/June 01, p140-147.

Land usage
Habitat Restoration and Agricultural Production under Land Retirement, David R. Purkey and Wesley W. Wallender, IR July/Aug. 01, p240-245.

Life cycle cost
Selection of Sprinkler Lateral for Shorter Life Cycle, Pooran S. Mahar and Rajesh P. Singh, IR Sept./Oct. 01, p277-280.

Linear programming
Irrigation Scheduling Using Mixed-Integer Linear Programming, Arif A. Anwar and Derek Clarke, IR Mar./Apr. 01, p63-69.

Location
Rate and Volume of Stream Depletion Due to Pumping, Sushil K. Singh, IR Sept./Oct. 00, p336-338.

Losses
Design of Minimum Seepage Loss Canal Sections, Prabhata K. Swamee, Govinda C. Mishra and Bhagu R. Chahar, IR Jan./Feb. 00, p28-32.

Management
Design and Management of Subsurface Horizontal Drainage to Reduce Salt Loads, Evan Christen and Dominic Skehan, IR May/June 01, p148-155.

Manholes
Supercritical Flow in 45° Junction Manhole, Giuseppe Del Giudice and Willi H. Hager, IR Mar./Apr. 01, p100-108.

Mass transfer
Modeling Soluble Phosphorus Desorption Kinetics in Tile Drainage, Christopher A. Scott and Kirk W. Weiler, IR Mar./Apr. 01, p70-76.

Measuring instruments
Simultaneous Flow over and Under a Gate, Vito Ferro, IR May/June 00, p190-193.

Model accuracy
Hydraulic Modeling of Kangsabati Main Canal for Performance Assessment, A. Mishra, A. Anand, R. Singh and N. S. Raghuwanshi, IR Jan./Feb. 01, p27-34.

Models
Comparison of Models for Computing Drainage Discharge, Alaa El-Sadek, Jan Feyen and Jean Berlamont, IR Nov./Dec. 01, p363-369.

Explicit Volume Balance Model Solution, A. A. Alazba, IR Sept./Oct. 99, p273-279.

Irrigation Scheduling Using Mixed-Integer Linear Programming, Arif A. Anwar and Derek Clarke, IR Mar./Apr. 01, p63-69.

Modeling Soluble Phosphorus Desorption Kinetics in Tile Drainage, Christopher A. Scott and Kirk W. Weiler, IR Mar./Apr. 01, p70-76.

Modeling Water Distribution for Irrigation Machine with Small Spray Nozzles, Mohammad Omary and Harold Sumner, IR May/June 01, p156-160.

Nile River
Drainage along the River Nile edited by H. J. Nijland, Lyman S. Willardson, IR May/June 01, p193.

Nitrates
Managing Nitrate Problems for Domestic Wells in Irrigated Alluvial Aquifers, C. Ray, P.E., IR Jan./Feb. 01, p49-53.

Nitrogen
Simulation of Water and Nitrogen Balances of Irrigated and Fertilized Corn-Crop Soil, Vassilis Z. Antonopoulos, IR Mar./Apr. 01, p77-83.

Numerical analysis
Numerical Analysis for Lateral Weir Flow, Yilmaz Muslu, IR July/Aug. 01, p246-253.

Numerical models
Functional Relationship to Describe Drains with Entrance Resistance, Andreas Kohler, Karim C. Abbaspour, Martin Fritsch and Rainer Schulin, IR Nov./Dec. 01, p355-362.

Optimal Furrow Design. I: Time of Advance Equation, John D. Valiantzas, IR July/Aug. 01, p201-208.

Transient Drainage to Partially Penetrating Drains in Sloping Aquifers, K. N. Shukla, H. S. Chauhan and V. K. Srivastava, IR Sept./Oct. 99, p246-253.

Open channels
Robust Flow Control of Single Input Multiple Outputs Regulated Rivers, Xavier Litrico, IR Sept./Oct. 01, p281-286.

Optimization
Design of Minimum Seepage Loss Canal Sections, Prabhata K. Swamee, Govinda C. Mishra and Bhagu R. Chahar, IR Jan./Feb. 00, p28-32.
Optimal Furrow Design. I: Time of Advance Equation, John D. Valiantzas, IR July/Aug. 01, p201-208.
Optimal Furrow Design. II: Explicit Calculation of Design Variables, John D. Valiantzas, IR July/Aug. 01, p209-215.
Optimal Spacing of Shallow Tube Wells in Relation to Conveyance Losses, N. K. Garg and E. Venkateshwarlu, IR Nov./Dec. 01, p390-393.
Rate and Volume of Stream Depletion Due to Pumping, Sushil K. Singh, IR Sept./Oct. 00, p336-338.
Reservoir Release Policy for Large Irrigation System, G. B. Sahoo, R. Loof, C. L. Abernethy and S. Kazama, IR Sept./Oct. 01, p302-310.

Outflows
Calculation of Inflow and Outflow in Phreatic Aquifers, A. R. Kacimov, IR Jan./Feb. 01, p16-19.

Overflow
Storage Volume and Overflow Risk for Infiltration Basin Design, James C. Y. Guo and William Hughes, IR May/June 01, p170-175.

Overland flow
Parameter Identifiability for Three Sediment Entrainment Equations, Vicky L. Freedman, Vicente L. Lopes and Mariano Hernandez, IR Mar./Apr. 01, p92-99.

Pakistan
Long–Term Effects of Irrigation Water Conservation on Crop Production and Environment in Semiarid Areas, Asad Sarwar and W. G. M. Bastiaanssen, IR Nov./Dec. 01, p331-338.

Parameters
Parameter Identifiability for Three Sediment Entrainment Equations, Vicky L. Freedman, Vicente L. Lopes and Mariano Hernandez, IR Mar./Apr. 01, p92-99.

Performance evaluation
Hydraulic Modeling of Kangsabati Main Canal for Performance Assessment, A. Mishra, A. Anand, R. Singh and N. S. Raghuwanshi, IR Jan./Feb. 01, p27-34.

Phosphorus compounds
Modeling Soluble Phosphorus Desorption Kinetics in Tile Drainage, Christopher A. Scott and Kirk W. Weiler, IR Mar./Apr. 01, p70-76.

Potable water
Managing Nitrate Problems for Domestic Wells in Irrigated Alluvial Aquifers, C. Ray, P.E., IR Jan./Feb. 01, p49-53.

Pumping
Rate and Volume of Stream Depletion Due to Pumping, Sushil K. Singh, IR Sept./Oct. 00, p336-338.

Rain water
Modeling Soluble Phosphorus Desorption Kinetics in Tile Drainage, Christopher A. Scott and Kirk W. Weiler, IR Mar./Apr. 01, p70-76.

Rainfall
Regional Alfalfa Yield, ET_r, and Water Value in Western States, M. E. Grismer, IR May/June 01, p131-139.

Rates
Rate and Volume of Stream Depletion Due to Pumping, Sushil K. Singh, IR Sept./Oct. 00, p336-338.

Regulations
Robust Flow Control of Single Input Multiple Outputs Regulated Rivers, Xavier Litrico, IR Sept./Oct. 01, p281-286.

Reservoir operation
Reservoir Release Policy for Large Irrigation System, G. B. Sahoo, R. Loof, C. L. Abernethy and S. Kazama, IR Sept./Oct. 01, p302-310.

Rivers
Robust Flow Control of Single Input Multiple Outputs Regulated Rivers, Xavier Litrico, IR Sept./Oct. 01, p281-286.

Rods
Deflecting Velocity Rod for Flow Measurements in Small Channels, Ata-ur-Rehman Tariq and Muhammad Masood, IR Sept./Oct. 01, p311-317.

Runoff
Reduced-Runoff Irrigation of Alfalfa in Imperial Valley, California, K. M. Bali, M. E. Grismer and I. C. Tod, IR May/June 01, p123-130.
Reduced-Runoff Irrigation of Sudan Grass Hay, Imperial Valley, California, M.E. Grismer and K. M. Bali, IR Sept./Oct. 01, p319-323.

Rural areas
Managing Nitrate Problems for Domestic Wells in Irrigated Alluvial Aquifers, C. Ray, P.E., IR Jan./Feb. 01, p49-53.

Salinity
Reduced-Runoff Irrigation of Alfalfa in Imperial Valley, California, K. M. Bali, M. E. Grismer and I. C. Tod, IR May/June 01, p123-130.

Salts
Design and Management of Subsurface Horizontal Drainage to Reduce Salt Loads, Evan Christen and Dominic Skehan, IR May/June 01, p148-155.

Sealants
Bentonite as an Ameliorant in an Alfisol—A Laboratory Study, P. K. Mishra, S. Siva Prasad, B. Maheswara Babu and L. R. Varalakshmi, IR Mar./Apr. 01, p118-122.

Sediment concentration
Sediment Diversion through Irrigation Outlets, Gilles Belaud and André Paquier, IR Jan./Feb. 01, p35-38.

Sediment control
Sediment Diversion through Irrigation Outlets, Gilles Belaud and André Paquier, IR Jan./Feb. 01, p35-38.

Sediment deposits
Bank Profile of Threshold Channels: A Simplified Approach, Subhasish Dey, IR May/June 01, p184-187.

Sediment discharge
Sediment Diversion through Irrigation Outlets, Gilles Belaud and André Paquier, IR Jan./Feb. 01, p35-38.

Sediment transport
Influence of Stream-Wise Bed Slope on Sediment Threshold under Stream Flow, Subhasish Dey and Koustuv Debnath, IR July/Aug. 00, p255-263.
Parameter Identifiability for Three Sediment Entrainment Equations, Vicky L. Freedman, Vicente L. Lopes and Mariano Hernandez, IR Mar./Apr. 01, p92-99.
Sediment Diversion through Irrigation Outlets, Gilles Belaud and André Paquier, IR Jan./Feb. 01, p35-38.
Sediment Pickup on Streamwise Sloping Beds, Subhasish Dey and Koustuv Debnath, IR Jan./Feb. 01, p39-43.

Seepage
Design of Minimum Seepage Loss Canal Sections, Prabhata K. Swamee, Govinda C. Mishra and Bhagu R. Chahar, IR Jan./Feb. 00, p28-32.
Design of Minimum Seepage Loss Canal Sections with Drainage Layer at Shallow Depth, Prabhata K. Swamee, Govinda C. Mishra and Bhagu R. Chahar, IR Sept./Oct. 01, p287-294.
Design of Minimum Seepage-Loss Nonpolygonal Canal Sections, Prabhata K. Swamee and Deepak Kashyap, IR Mar./Apr. 01, p113-117.
Determining Irrigation Canal Seepage with Electrical Resistivity, R. H. Hotchkiss, P.E., C. B. Wingert and W. E. Kelly, P.E., IR Jan./Feb. 01, p20-26.

Sensitivity analysis
Assessing Sensitivity Factors of Irrigation Delivery Structures, D. Renault, A. Hakeem Khan, M. H. Hemakumara and M. Asghar Memon, IR Nov./Dec. 01, p346-354.

Settlement analysis
Revising the Cutthroat Flume Settlement Rating Adjustment Procedure, Steven R. Abt and Eric M. Skowron, IR Jan./Feb. 01, p54-58.

Sewage
Supercritical Flow in 45° Junction Manhole, Giuseppe Del Giudice and Willi H. Hager, IR Mar./Apr. 01, p100-108.

Shallow water
Design of Minimum Seepage Loss Canal Sections with Drainage Layer at Shallow Depth, Prabhata K. Swamee, Govinda C. Mishra and Bhagu R. Chahar, IR Sept./Oct. 01, p287-294.

Shock waves
Supercritical Flow in 45° Junction Manhole, Giuseppe Del Giudice and Willi H. Hager, IR Mar./Apr. 01, p100-108.

Simulation
Simulation of Water and Nitrogen Balances of Irrigated and Fertilized Corn-Crop Soil, Vassilis Z. Antonopoulos, IR Mar./Apr. 01, p77-83.

Slopes
Drainage of Sloping Lands with Variable Recharge: Analytical Formulas and Model Development, T. Hartani, D. Zimmer and B. Lesaffre, IR Jan./Feb. 01, p8-15.
Interaction of Stream and Sloping Aquifer Receiving Constant Recharge, A. Upadhyaya and H. S. Chauhan, IR Sept./Oct. 01, p295-301.
Sediment Pickup on Streamwise Sloping Beds, Subhasish Dey and Koustuv Debnath, IR Jan./Feb. 01, p39-43.
Transient Drainage to Partially Penetrating Drains in Sloping Aquifers, K. N. Shukla, H. S. Chauhan and V. K. Srivastava, IR Sept./Oct. 99, p246-253.

Soil water
Infiltration into Freezing and Thawing Soils under Differing Field Treatments, Zheng Xiuqing and G. N. Flerchinger, IR May/June 01, p176-182.
Simulation of Water and Nitrogen Balances of Irrigated and Fertilized Corn-Crop Soil, Vassilis Z. Antonopoulos, IR Mar./Apr. 01, p77-83.

Soil water storage
Bentonite as an Ameliorant in an Alfisol—A Laboratory Study, P. K. Mishra, S. Siva Prasad, B. Maheswara Babu and L. R. Varalakshmi, IR Mar./Apr. 01, p118-122.

Solar radiation
Evaporation Estimation for Lake Okeechobee in South Florida, Wossenu Abtew, P.E., IR May/June 01, p140-147.

Spacing
Optimal Spacing of Shallow Tube Wells in Relation to Conveyance Losses, N. K. Garg and E. Venkateshwarlu, IR Nov./Dec. 01, p390-393.
Transient Drainage to Partially Penetrating Drains in Sloping Aquifers, K. N. Shukla, H. S. Chauhan and V. K. Srivastava, IR Sept./Oct. 99, p246-253.

Spray nozzles
Modeling Water Distribution for Irrigation Machine with Small Spray Nozzles, Mohammad Omary and Harold Sumner, IR May/June 01, p156-160.

Sprinkler irrigation
Analytical Solution for Normal Irrigation Distribution Parameters, J. K. Smesrud and J. S. Selker, IR Jan./Feb. 01, p45-48.
Comparison of Fixed and Rotating Spray Plate Sprinklers, J. M. Faci, R. Salvador, E. Playán and H. Sourell, IR July/Aug. 01, p224-233.
Sprinkler and Corn Canopy Effects on Water Application Characteristics, D. W. DeBoer, K. A. Stange and D. L. Beck, IR Sept./Oct. 01, p272-276.
Sprinkler Technologies, Soil Infiltration and Runoff, Darrell W. DeBoer and S. T. Chu, IR July/Aug. 01, p234-239.

Sprinklers
Comparison of Fixed and Rotating Spray Plate Sprinklers, J. M. Faci, R. Salvador, E. Playán and H. Sourell, IR July/Aug. 01, p224-233.
Selection of Sprinkler Lateral for Shorter Life Cycle, Pooran S. Mahar and Rajesh P. Singh, IR Sept./Oct. 01, p277-280.
Sprinkler and Corn Canopy Effects on Water Application Characteristics, D. W. DeBoer, K. A. Stange and D. L. Beck, IR Sept./Oct. 01, p272-276.

Steady flow
Sediment Pickup on Streamwise Sloping Beds, Subhasish Dey and Koustuv Debnath, IR Jan./Feb. 01, p39-43.

Stormwater
Storage Volume and Overflow Risk for Infiltration Basin Design, James C. Y. Guo and William Hughes, IR May/June 01, p170-175.

Streambeds
Influence of Stream-Wise Bed Slope on Sediment Threshold under Stream Flow, Subhasish Dey and Koustuv Debnath, IR July/Aug. 00, p255-263.

Streamflow
Influence of Stream-Wise Bed Slope on Sediment Threshold under Stream Flow, Subhasish Dey and Koustuv Debnath, IR July/Aug. 00, p255-263.
Sediment Pickup on Streamwise Sloping Beds, Subhasish Dey and Koustuv Debnath, IR Jan./Feb. 01, p39-43.

Streams
Interaction of Stream and Sloping Aquifer Receiving Constant Recharge, A. Upadhyaya and H. S. Chauhan, IR Sept./Oct. 01, p295-301.
Rate and Volume of Stream Depletion Due to Pumping, Sushil K. Singh, IR Sept./Oct. 00, p336-338.

Subsurface drainage
Design and Management of Subsurface Horizontal Drainage to Reduce Salt Loads, Evan Christen and Dominic Skehan, IR May/June 01, p148-155.
Drainage of Sloping Lands with Variable Recharge: Analytical Formulas and Model Development, T. Hartani, D. Zimmer and B. Lesaffre, IR Jan./Feb. 01, p8-15.
Drainage Reduction under Land Retirement over a Shallow Water Table, David R. Purkey and Wesley W. Wallender, IR Jan./Feb. 01, p1-7.
Modeling Soluble Phosphorus Desorption Kinetics in Tile Drainage, Christopher A. Scott and Kirk W. Weiler, IR Mar./Apr. 01, p70-76.

Supercritical flow
Supercritical Flow in 45° Junction Manhole, Giuseppe Del Giudice and Willi H. Hager, IR Mar./Apr. 01, p100-108.

Surface drainage
Functional Relationship to Describe Drains with Entrance Resistance, Andreas Kohler, Karim C. Abbaspour, Martin Fritsch and Rainer Schulin, IR Nov./Dec. 01, p355-362.

Surface irrigation
Explicit Volume Balance Model Solution, A. A. Alazba, IR Sept./Oct. 99, p273-279.
Reduced-Runoff Irrigation of Alfalfa in Imperial Valley, California, K. M. Bali, M. E. Grismer and I. C. Tod, IR May/June 01, p123-130.

Surface runoff
Sprinkler Technologies, Soil Infiltration and Runoff, Darrell W. DeBoer and S. T. Chu, IR July/Aug. 01, p234-239.

Thailand
Reservoir Release Policy for Large Irrigation System, G. B. Sahoo, R. Loof, C. L. Abernethy and S. Kazama, IR Sept./Oct. 01, p302-310.

Three-dimensional models
Sediment Diversion through Irrigation Outlets, Gilles Belaud and André Paquier, IR Jan./Feb. 01, p35-38.

Tiles
Drainage Reduction under Land Retirement over a Shallow Water Table, David R. Purkey and Wesley W. Wallender, IR Jan./Feb. 01, p1-7.

Topography
Finite Volume Model for Nonlevel Basin Irrigation, Scott F. Bradford and Nikolaos D. Katopodes, IR July/Aug. 01, p216-223.

Transpiration
Model for Estimating Evaporation and Transpiration from Row Crops, Francesca Ventura, Ben A. Faber, Khaled M. Bali, Richard L. Snyder, Donatella Spano, Pierpaolo Duce and Kurt F. Schulbach, IR Nov./Dec. 01, p339-345.

Trickle irrigation
New Algorithm for Hydraulic Calculation in Irrigation Laterals, Pedro Vallesquino and Pedro L. Luque-Escamilla, IR July/Aug. 01, p254-260.

Turbulent flow
EDR in Circular Channels, Subhasish Dey, IR Mar./Apr. 01, p110-112.

Uniform flow
Design of Minimum Seepage Loss Canal Sections, Prabhata K. Swamee, Govinda C. Mishra and Bhagu R. Chahar, IR Jan./Feb. 00, p28-32.
Design of Minimum Seepage-Loss Nonpolygonal Canal Sections, Prabhata K. Swamee and Deepak Kashyap, IR Mar./Apr. 01, p113-117.

United States
Modeled Areal Evaporation Trends over the Conterminous United States, Jozsef Szilagyi, IR July/Aug. 01, p196-200.

Vapor pressure
Comparison of Vapor-Pressure-Deficit Calculation Methods—Southern High Plains, Terry A. Howell and Donald A. Dusek, IR Mar./Apr. 95, p191-198.

Velocity
Deflecting Velocity Rod for Flow Measurements in Small Channels, Ata-ur-Rehman Tariq and Muhammad Masood, IR Sept./Oct. 01, p311-317.

Volume measure
Explicit Volume Balance Model Solution, A. A. Alazba, IR Sept./Oct. 99, p273-279.
Rate and Volume of Stream Depletion Due to Pumping, Sushil K. Singh, IR Sept./Oct. 00, p336-338.

Wastewater management
Supercritical Flow in 45° Junction Manhole, Giuseppe Del Giudice and Willi H. Hager, IR Mar./Apr. 01, p100-108.

Water balance
Explicit Volume Balance Model Solution, A. A. Alazba, IR Sept./Oct. 99, p273-279.

Water conservation
Long–Term Effects of Irrigation Water Conservation on Crop Production and Environment in Semiarid Areas, Asad Sarwar and W. G. M. Bastiaanssen, IR Nov./Dec. 01, p331-338.

Water content
Multidimensional Infiltration with Arbitrary Surface Fluxes, Jiann–Mou Chen, Yih–Chi Tan and Chu–Hui Chen, IR Nov./Dec. 01, p370-377.

Water depth
EDR in Circular Channels, Subhasish Dey, IR Mar./Apr. 01, p110-112.

Water discharge
Comparison of Models for Computing Drainage Discharge, Alaa El-Sadek, Jan Feyen and Jean Berlamont, IR Nov./Dec. 01, p363-369.
Functional Relationship to Describe Drains with Entrance Resistance, Andreas Kohler, Karim C. Abbaspour, Martin Fritsch and Rainer Schulin, IR Nov./Dec. 01, p355-362.

Water distribution
Modeling Water Distribution for Irrigation Machine with Small Spray Nozzles, Mohammad Omary and Harold Sumner, IR May/June 01, p156-160.

Water flow
Explicit Volume Balance Model Solution, A. A. Alazba, IR Sept./Oct. 99, p273-279.

Water infiltration
Infiltration into Freezing and Thawing Soils under Differing Field Treatments, Zheng Xiuqing and G. N. Flerchinger, IR May/June 01, p176-182.

Water levels
Flap Gate Design for Automatic Upstream Canal Water Level Control, Charles M. Burt, Russdon Angold, Mike Lehmkuhl and Stuart Styles, IR Mar./Apr. 01, p84-91.

Water pressure
Sprinkler and Corn Canopy Effects on Water Application Characteristics, D. W. DeBoer, K. A. Stange and D. L. Beck, IR Sept./Oct. 01, p272-276.

Water quality
Design and Management of Subsurface Horizontal Drainage to Reduce Salt Loads, Evan Christen and Dominic Skehan, IR May/June 01, p148-155.
Long–Term Effects of Irrigation Water Conservation on Crop Production and Environment in Semiarid Areas, Asad Sarwar and W. G. M. Bastiaanssen, IR Nov./Dec. 01, p331-338.

Water storage
Storage Volume and Overflow Risk for Infiltration Basin Design, James C. Y. Guo and William Hughes, IR May/June 01, p170-175.

Water table
Calculation of Inflow and Outflow in Phreatic Aquifers, A. R. Kacimov, IR Jan./Feb. 01, p16-19.
Case Study of Water Table Evaporation at Ichkeul Marshes (Tunisia), Mounira Zammouri, IR Sept./Oct. 01, p265-271.
Drainage of Sloping Lands with Variable Recharge: Analytical Formulas and Model Development, T. Hartani, D. Zimmer and B. Lesaffre, IR Jan./Feb. 01, p8-15.
Drainage Reduction under Land Retirement over a Shallow Water Table, David R. Purkey and Wesley W. Wallender, IR Jan./Feb. 01, p1-7.
Falling Water Tables in Horizontal/Sloping Aquifer, A. Upadhyaya and H. S. Chauhan, IR Nov./Dec. 01, p378-384.
Interaction of Stream and Sloping Aquifer Receiving Constant Recharge, A. Upadhyaya and H. S. Chauhan, IR Sept./Oct. 01, p295-301.
Transient Drainage to Partially Penetrating Drains in Sloping Aquifers, K. N. Shukla, H. S. Chauhan and V. K. Srivastava, IR Sept./Oct. 99, p246-253.

Water use
Regional Alfalfa Yield, ET_r, and Water Value in Western States, M. E. Grismer, IR May/June 01, p131-139.

Weirs
Simultaneous Flow over and Under a Gate, Vito Ferro, IR May/June 00, p190-193.

Wells
Managing Nitrate Problems for Domestic Wells in Irrigated Alluvial Aquifers, C. Ray, P.E., IR Jan./Feb. 01, p49-53.
Optimal Spacing of Shallow Tube Wells in Relation to Conveyance Losses, N. K. Garg and E. Venkateshwarlu, IR Nov./Dec. 01, p390-393.
Rate and Volume of Stream Depletion Due to Pumping, Sushil K. Singh, IR Sept./Oct. 00, p336-338.

AUTHOR INDEX

Abbaspour, Karim C.
see Kohler, Andreas, IR Nov./Dec. 01, p355-362

Abernethy, C. L.
see Sahoo, G. B., IR Sept./Oct. 01, p302-310

Abt, Steven R.
Revising the Cutthroat Flume Settlement Rating Adjustment Procedure, with Eric M. Skowron, IR Jan./Feb. 01, p54-58

Abtew, Wossenu, P.E.
Evaporation Estimation for Lake Okeechobee in South Florida, IR May/June 01, p140-147

Alazba, A. A.
Explicit Volume Balance Model Solution, IR Sept./Oct. 99, p273-279
disc: John D. Valiantzas, IR Jan./Feb. 01, p60-61
clo: IR Jan./Feb. 01, p61

Anand, A.
see Mishra, A., IR Jan./Feb. 01, p27-34

Angold, Russdon
see Burt, Charles M., IR Mar./Apr. 01, p84-91

Ansar, Matahel, P.E.
disc. (of Simultaneous Flow over and Under a Gate, by Vito Ferro, IR May/June 00, p190-193), IR Sept./Oct. 01, p325-326

Antonopoulos, Vassilis Z.
Simulation of Water and Nitrogen Balances of Irrigated and Fertilized Corn-Crop Soil, IR Mar./Apr. 01, p77-83

Anwar, Arif A.
Irrigation Scheduling Using Mixed-Integer Linear Programming, with Derek Clarke, IR Mar./Apr. 01, p63-69

Atmapoojya, Sohan L.
disc. (of Design of Minimum Seepage Loss Canal Sections, by Prabhata K. Swamee, Govinda C. Mishra and Bhagu R. Chahar, IR Jan./Feb. 00, p28-32) with Ramesh N. Ingle, IR May/June 01, p189

Babaeyan-Koopaei, K.
Dimensionless Curves for Normal–Depth Calculations in Canal Sections, IR Nov./Dec. 01, p386-389

Babu, B. Maheswara
see Mishra, P. K., IR Mar./Apr. 01, p118-122

Bali, K. M.
Reduced-Runoff Irrigation of Alfalfa in Imperial Valley, California, with M. E. Grismer and I. C. Tod, IR May/June 01, p123-130
see Grismer, M.E., IR Sept./Oct. 01, p319-323

Bali, Khaled M.
see Ventura, Francesca, IR Nov./Dec. 01, p339-345

Bastiaanssen, W. G. M.
see Sarwar, Asad, IR Nov./Dec. 01, p331-338

Beck, D. L.
see DeBoer, D. W., IR Sept./Oct. 01, p272-276

Belaud, Gilles
Sediment Diversion through Irrigation Outlets, with André Paquier, IR Jan./Feb. 01, p35-38

Berlamont, Jean
see El-Sadek, Alaa, IR Nov./Dec. 01, p363-369

Bradford, Scott F.
Finite Volume Model for Nonlevel Basin Irrigation, with Nikolaos D. Katopodes, IR July/Aug. 01, p216-223

Burt, Charles M.
Flap Gate Design for Automatic Upstream Canal Water Level Control, with Russdon Angold, Mike Lehmkuhl and Stuart Styles, IR Mar./Apr. 01, p84-91

Chahar, Bhagu R.
see Swamee, Prabhata K., IR Jan./Feb. 00, p28-32
see Swamee, Prabhata K., IR Sept./Oct. 01, p287-294

Chauhan, H. S.
see Shukla, K. N., IR Sept./Oct. 99, p246-253
see Upadhyaya, A., IR Sept./Oct. 01, p295-301
see Upadhyaya, A., IR Nov./Dec. 01, p378-384

Chen, Chu–Hui
see Chen, Jiann–Mou, IR Nov./Dec. 01, p370-377

Chen, Jiann–Mou
Multidimensional Infiltration with Arbitrary Surface Fluxes, with Yih–Chi Tan and Chu–Hui Chen, IR Nov./Dec. 01, p370-377

Christen, Evan
Design and Management of Subsurface Horizontal Drainage to Reduce Salt Loads, with Dominic Skehan, IR May/June 01, p148-155

Chu, S. T.
see DeBoer, Darrell W., IR July/Aug. 01, p234-239

Clarke, Derek
see Anwar, Arif A., IR Mar./Apr. 01, p63-69

Debnath, Koustuv
see Dey, Subhasish, IR July/Aug. 00, p255-263
see Dey, Subhasish, IR Jan./Feb. 01, p39-43

DeBoer, D. W.
Sprinkler and Corn Canopy Effects on Water Application Characteristics, with K. A. Stange and D. L. Beck, IR Sept./Oct. 01, p272-276

DeBoer, Darrell W.
Sprinkler Technologies, Soil Infiltration and Runoff, with S. T. Chu, IR July/Aug. 01, p234-239

Del Giudice, Giuseppe
Supercritical Flow in 45° Junction Manhole, with Willi H. Hager, IR Mar./Apr. 01, p100-108

Dey, Subhasish
Bank Profile of Threshold Channels: A Simplified Approach, IR May/June 01, p184-187
EDR in Circular Channels, IR Mar./Apr. 01, p110-112
Influence of Stream-Wise Bed Slope on Sediment Threshold under Stream Flow, with Koustuv Debnath, IR July/Aug. 00, p255-263
disc: Carlo Gregoretti, IR Nov./Dec. 01, p395-396
Influence of Stream-Wise Bed Slope on Sediment Threshold under Stream Flow, with Koustuv Debnath, IR July/Aug. 00, p255-263
clo: IR Nov./Dec. 01, p396
Sediment Pickup on Streamwise Sloping Beds, with Koustuv Debnath, IR Jan./Feb. 01, p39-43
err: IR July/Aug. 01, p263

Duce, Pierpaolo
see Ventura, Francesca, IR Nov./Dec. 01, p339-345

Dusek, Donald A.
see Howell, Terry A., IR Mar./Apr. 95, p191-198

El-Sadek, Alaa
Comparison of Models for Computing Drainage Discharge, with Jan Feyen and Jean Berlamont, IR Nov./Dec. 01, p363-369

Faber, Ben A.
see Ventura, Francesca, IR Nov./Dec. 01, p339-345

Faci, J. M.
Comparison of Fixed and Rotating Spray Plate Sprinklers, with R. Salvador, E. Playán and H. Sourell, IR July/Aug. 01, p224-233

Farrell-Poe, Kathryn L.
see Zerihun, Dawit, IR May/June 01, p161-169

Ferro, Vito
Simultaneous Flow over and Under a Gate, IR May/June 00, p190-193
disc: Matahel Ansar, P.E., IR Sept./Oct. 01, p325-326
clo: IR Sept./Oct. 01, p326-328

Feyen, Jan
see El-Sadek, Alaa, IR Nov./Dec. 01, p363-369

Flerchinger, G. N.
see Xiuqing, Zheng, IR May/June 01, p176-182

Freedman, Vicky L.
Parameter Identifiability for Three Sediment Entrainment Equations, with Vicente L. Lopes and Mariano Hernandez, IR Mar./Apr. 01, p92-99

Fritsch, Martin
see Kohler, Andreas, IR Nov./Dec. 01, p355-362

Garg, N. K.
Optimal Spacing of Shallow Tube Wells in Relation to Conveyance Losses, with E. Venkateshwarlu, IR Nov./Dec. 01, p390-393

Gregoretti, Carlo
disc. (of Influence of Stream-Wise Bed Slope on Sediment Threshold under Stream Flow, by Subhasish Dey and Koustuv Debnath, IR July/Aug. 00, p255-263), IR Nov./Dec. 01, p395-396

Grismer, M. E.
Regional Alfalfa Yield, *ET*$_a$, and Water Value in Western States, IR May/June 01, p131-139
see Bali, K. M., IR May/June 01, p123-130

Grismer, M.E.
Reduced-Runoff Irrigation of Sudan Grass Hay, Imperial Valley, California, with K. M. Bali, IR Sept./Oct. 01, p319-323

Guitjens, J. C., P.E.
Awards, IR July/Aug. 01, p195

Guo, James C. Y.
Storage Volume and Overflow Risk for Infiltration Basin Design, with William Hughes, IR May/June 01, p170-175

Hager, Willi H.
see Del Giudice, Giuseppe, IR Mar./Apr. 01, p100-108

Hartani, T.
Drainage of Sloping Lands with Variable Recharge: Analytical Formulas and Model Development, with D. Zimmer and B. Lesaffre, IR Jan./Feb. 01, p8-15

Hemakumara, M. H.
see Renault, D., IR Nov./Dec. 01, p346-354

Hernandez, Mariano
see Freedman, Vicky L., IR Mar./Apr. 01, p92-99

Hotchkiss, R. H., P.E.
Determining Irrigation Canal Seepage with Electrical Resistivity, with C. B. Wingert and W. E. Kelly, P.E., IR Jan./Feb. 01, p20-26

Howell, Terry A.
Comparison of Vapor-Pressure-Deficit Calculation Methods—Southern High Plains, with Donald A. Dusek, IR Mar./Apr. 95, p191-198
err: IR Sept./Oct. 01, p329-330

Hughes, William
see Guo, James C. Y., IR May/June 01, p170-175

Ingle, Ramesh N.
see Atmapoojya, Sohan L., (disc), IR Jan./Feb. 00, p28-32

Kacimov, A. R.
Calculation of Inflow and Outflow in Phreatic Aquifers, IR Jan./Feb. 01, p16-19
disc. (of Design of Minimum Seepage Loss Canal Sections, by Prabhata K. Swamee, Govinda C. Mishra and Bhagu R. Chahar, IR Jan./Feb. 00, p28-32), IR May/June 01, p189-191

Kashyap, Deepak
see Swamee, Prabhata K., IR Mar./Apr. 01, p113-117

Katopodes, Nikolaos D.
see Bradford, Scott F., IR July/Aug. 01, p216-223

Kazama, S.
see Sahoo, G. B., IR Sept./Oct. 01, p302-310

Kelly, W. E., P.E.
see Hotchkiss, R. H., P.E., IR Jan./Feb. 01, p20-26

Khan, A. Hakeem
see Renault, D., IR Nov./Dec. 01, p346-354

Kohler, Andreas
Functional Relationship to Describe Drains with Entrance Resistance, with Karim C. Abbaspour, Martin Fritsch and Rainer Schulin, IR Nov./Dec. 01, p355-362

Lehmkuhl, Mike
see Burt, Charles M., IR Mar./Apr. 01, p84-91

Lesaffre, B.
see Hartani, T., IR Jan./Feb. 01, p8-15

Litrico, Xavier
Robust Flow Control of Single Input Multiple Outputs Regulated Rivers, IR Sept./Oct. 01, p281-286

Loof, R.
see Sahoo, G. B., IR Sept./Oct. 01, p302-310

Lopes, Vicente L.
see Freedman, Vicky L., IR Mar./Apr. 01, p92-99

Luque-Escamilla, Pedro L.
see Vallesquino, Pedro, IR July/Aug. 01, p254-260

Mahar, Pooran S.
Selection of Sprinkler Lateral for Shorter Life Cycle, with Rajesh P. Singh, IR Sept./Oct. 01, p277-280

Masood, Muhammad
see Tariq, Ata-ur-Rehman, IR Sept./Oct. 01, p311-317

Memon, M. Asghar
see Renault, D., IR Nov./Dec. 01, p346-354

Mishra, A.
Hydraulic Modeling of Kangsabati Main Canal for Performance Assessment, with A. Anand, R. Singh and N. S. Raghuwanshi, IR Jan./Feb. 01, p27-34

Mishra, Govinda C.
see Swamee, Prabhata K., IR Jan./Feb. 00, p28-32
see Swamee, Prabhata K., IR Sept./Oct. 01, p287-294

Mishra, P. K.
Bentonite as an Ameliorant in an Alfisol—A Laboratory Study, with S. Siva Prasad, B. Maheswara Babu and L. R. Varalakshmi, IR Mar./Apr. 01, p118-122

Muslu, Yilmaz
Numerical Analysis for Lateral Weir Flow, IR July/Aug. 01, p246-253

Omary, Mohammad
Modeling Water Distribution for Irrigation Machine with Small Spray Nozzles, with Harold Sumner, IR May/June 01, p156-160

Paquier, André
see Belaud, Gilles, IR Jan./Feb. 01, p35-38

Playán, E.
see Faci, J. M., IR July/Aug. 01, p224-233

Prasad, S. Siva
see Mishra, P. K., IR Mar./Apr. 01, p118-122

Purkey, David R.
Drainage Reduction under Land Retirement over a Shallow Water Table, with Wesley W. Wallender, IR Jan./Feb. 01, p1-7
Habitat Restoration and Agricultural Production under Land Retirement, with Wesley W. Wallender, IR July/Aug. 01, p240-245

Raghuwanshi, N. S.
see Mishra, A., IR Jan./Feb. 01, p27-34

Ray, C., P.E.
Managing Nitrate Problems for Domestic Wells in Irrigated Alluvial Aquifers, IR Jan./Feb. 01, p49-53

Renault, D.
Assessing Sensitivity Factors of Irrigation Delivery Structures, with A. Hakeem Khan, M. H. Hemakumara and M. Asghar Memon, IR Nov./Dec. 01, p346-354

Sahoo, G. B.
Reservoir Release Policy for Large Irrigation System, with R. Loof, C. L. Abernethy and S. Kazama, IR Sept./Oct. 01, p302-310

Salvador, R.
see Faci, J. M., IR July/Aug. 01, p224-233

Sanchez, Charles A.
see Zerihun, Dawit, IR May/June 01, p161-169

Sarwar, Asad
Long–Term Effects of Irrigation Water Conservation on Crop Production and Environment in Semiarid Areas, with W. G. M. Bastiaanssen, IR Nov./Dec. 01, p331-338

Schulbach, Kurt F.
see Ventura, Francesca, IR Nov./Dec. 01, p339-345

Schulin, Rainer
see Kohler, Andreas, IR Nov./Dec. 01, p355-362

Scott, Christopher A.
Modeling Soluble Phosphorus Desorption Kinetics in Tile Drainage, with Kirk W. Weiler, IR Mar./Apr. 01, p70-76

Selker, J. S.
see Smesrud, J. K., IR Jan./Feb. 01, p45-48

Shukla, K. N.
Transient Drainage to Partially Penetrating Drains in Sloping Aquifers, with H. S. Chauhan and V. K. Srivastava, IR Sept./Oct. 99, p246-253
disc: A. Upadhyaya, IR July/Aug. 01, p262

Singh, R.
see Mishra, A., IR Jan./Feb. 01, p27-34

Singh, Rajesh P.
see Mahar, Pooran S., IR Sept./Oct. 01, p277-280

Singh, Sushil K.
Rate and Volume of Stream Depletion Due to Pumping, IR Sept./Oct. 00, p336-338
err: IR May/June 01, p194

Skehan, Dominic
see Christen, Evan, IR May/June 01, p148-155

Skowron, Eric M.
see Abt, Steven R., IR Jan./Feb. 01, p54-58

Smesrud, J. K.
Analytical Solution for Normal Irrigation Distribution Parameters, with J. S. Selker, IR Jan./Feb. 01, p45-48

Snyder, Richard L.
see Ventura, Francesca, IR Nov./Dec. 01, p339-345

Sourell, H.
see Faci, J. M., IR July/Aug. 01, p224-233

Spano, Donatella
see Ventura, Francesca, IR Nov./Dec. 01, p339-345

Srivastava, V. K.
see Shukla, K. N., IR Sept./Oct. 99, p246-253

Stange, K. A.
see DeBoer, D. W., IR Sept./Oct. 01, p272-276

Styles, Stuart
see Burt, Charles M., IR Mar./Apr. 01, p84-91

Sumner, Harold
see Omary, Mohammad, IR May/June 01, p156-160

Swamee, Prabhata K.
Design of Minimum Seepage Loss Canal Sections with Drainage Layer at Shallow Depth, with Govinda C. Mishra and Bhagu R. Chahar, IR Sept./Oct. 01, p287-294
Design of Minimum Seepage Loss Canal Sections, with Govinda C. Mishra and Bhagu R. Chahar, IR Jan./Feb. 00, p28-32
disc: Sohan L. Atmapoojya and Ramesh N. Ingle, IR May/June 01, p189
disc: A. R. Kacimov, IR May/June 01, p189-191
clo: IR May/June 01, p191-192
Design of Minimum Seepage-Loss Nonpolygonal Canal Sections, with Deepak Kashyap, IR Mar./Apr. 01, p113-117

Szilagyi, Jozsef
Modeled Areal Evaporation Trends over the Conterminous United States, IR July/Aug. 01, p196-200

Tan, Yih–Chi
see Chen, Jiann–Mou, IR Nov./Dec. 01, p370-377

Tariq, Ata-ur-Rehman
Deflecting Velocity Rod for Flow Measurements in Small Channels, with Muhammad Masood, IR Sept./Oct. 01, p311-317

Tod, I. C.
see Bali, K. M., IR May/June 01, p123-130

Upadhyaya, A.
Falling Water Tables in Horizontal/Sloping Aquifer, with H. S. Chauhan, IR Nov./Dec. 01, p378-384
Interaction of Stream and Sloping Aquifer Receiving Constant Recharge, with H. S. Chauhan, IR Sept./Oct. 01, p295-301
disc. (of Transient Drainage to Partially Penetrating Drains in Sloping Aquifers, by K. N. Shukla, H. S. Chauhan and V. K. Srivastava, IR Sept./Oct. 99, p246-253), IR July/Aug. 01, p262

Valiantzas, John D.
Optimal Furrow Design. I: Time of Advance Equation, IR July/Aug. 01, p201-208
Optimal Furrow Design. II: Explicit Calculation of Design Variables, IR July/Aug. 01, p209-215
disc. (of Explicit Volume Balance Model Solution, by A. A. Alazba, IR Sept./Oct. 99, p273-279), IR Jan./Feb. 01, p60-61

Vallesquino, Pedro
New Algorithm for Hydraulic Calculation in Irrigation Laterals, with Pedro L. Luque-Escamilla, IR July/Aug. 01, p254-260

Varalakshmi, L. R.
see Mishra, P. K., IR Mar./Apr. 01, p118-122

Venkateshwarlu, E.
see Garg, N. K., IR Nov./Dec. 01, p390-393

Ventura, Francesca
Model for Estimating Evaporation and Transpiration from Row Crops, with Ben A. Faber, Khaled M. Bali, Richard L. Snyder, Donatella Spano, Pierpaolo Duce and Kurt F. Schulbach, IR Nov./Dec. 01, p339-345

Wallender, Wesley W.
see Purkey, David R., IR Jan./Feb. 01, p1-7
see Purkey, David R., IR July/Aug. 01, p240-245

Weiler, Kirk W.
see Scott, Christopher A., IR Mar./Apr. 01, p70-76

Willardson, Lyman S.
Drainage along the River Nile edited by H. J. Nijland, IR May/June 01, p193

Wingert, C. B.
see Hotchkiss, R. H., P.E., IR Jan./Feb. 01, p20-26

Xiuqing, Zheng
Infiltration into Freezing and Thawing Soils under Differing Field Treatments, with G. N. Flerchinger, IR May/June 01, p176-182

Zammouri, Mounira
Case Study of Water Table Evaporation at Ichkeul Marshes (Tunisia), IR Sept./Oct. 01, p265-271

Zerihun, Dawit
Analysis and Design of Furrow Irrigation Systems, with Charles A. Sanchez and Kathryn L. Farrell-Poe, IR May/June 01, p161-169

Zimmer, D.
see Hartani, T., IR Jan./Feb. 01, p8-15